BRUHAT BANGALORE MAHANAGARA PALIKE
Yelahanka Division, Yelahanka Zone

Executive Engineeer
Yelahanka Division
B.B.M.P. Bangalore - 64

APPROVED SCHEDULE - 'B'

Name of Work: Construction of RCC Drains and Culverts at Anugraha layout, Muniswamappa layout and Sai Nagar-2 And Surrounding area in ward No. 03, Yelahanka Satellite Town sub Division

Sl	Description	Unit	Approved Quantity	Approved Rate Technical Manager (West) KRIDL, BBMP,	
				Rate	Rate In Words
1	KSRRB300-1. Earthwork Excavation by manual means for roads, Drains and similar works in ordinary soil excavated surface levelled and neatly dressed.	Cum	1410.90	211.79	Rupees Two Hundred Eleven And Paise Seventy Nine Only
2	KSRRB M2900-1. Plain cement concrete M10 mix with crushed stone aggregate 40mm nominal size mechanically mixed, placed in foundation.	Cum	223.21	4479.56	Rupees Four Thousand Four Hundred Seventy Nine And Paise Fifty Six Only
3	KSRRB M2200-6. Providing bars Fe 500 steel reinforcement for RCC work includuing straightning, cutting, bending, hooking, placing in position , lapping and/or welding whereever required.	Tonne	25.88	72326.98	Rupees Seventy Two Thousand Three Hundred Twenty Six And Paise Ninety Eight Only
4	Providing and laying plain/reinforced cement concrete for side drain wall and bottom thickness 15cm using M20 nominal mix concrete with OPC @ 300 kgs. With 20mm and down size granite metal coarse aggregates complete as per specifications	Cum	415.73	7070.20	Rupees Seven Thousand Seventy And Paise Twenty Only
5	providing and fixing precast reinforced concrete slab 10cm thick of mix M20 using 20mm and downsize graded granite metal using reinforcement 10mm dia steel at 150mm C/c both ways	Sqm	1044.27	2337.00	Rupees Two Thousand Three Hundred Thirty Seven Only
6	Provoding and laying Precast Drain cover slabs of 250mm thick of mix M20 using graded granite jelly 20mm & downsize with steel reinforcement complete as per specification	Sqm	67.20	5418.00	Rupees Five Thousand Four Hundred Eighteen Only
7	Providining & fixing precaste solid concrete kerb stones of size 450X200X400mm maid out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc. complete	Nos	2107.00	477.00	Rupees Four Hundred Seventy Seven Only
8	KSRRB 800-1 Painting two coats after filling surface with synthetic enamel paint in approved shades on new plastered concrete surface with materials, labour complete as per specifications	Sqm	357.65	84.80	Rupees Eighty Four And Paise Eighty Only
9	KSRRB M300-14. Excavation for road work in all type of soil by mechanical means including cutting loading to tippers trimming bottom and side slopes in accordance with requirment of lines and cross sections and transportation with a lead of 1.00 km and complete as per specification	Cum	1380.00	57.03	Rupees Fifty Seven And Paise Three Only
10	KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occcuring during rolling including cost of all labour, HOM complete as per specifications	Sqm	3450.00	6.36	Rupees Six And Paise Thirty Six Only

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	Description	Unit	Approved Quantity	Approved Rate Technical Manager (West) KRIDL, BBMP,	
				Rate	Rate In Words
	ruction of granular sub-base grading-v as sub-e and drainage layer by providing coarse graded shed stone aggregates of granite material, mixing mix in place method by rotavator at OMC spreading n uniform layers with motor grader on prepared surface and compactioning with vibratory power roller to achieve the 98% proctor density, complete as per specification	Cum	517.50	1855.00	Rupees One Thousand Eight Hundred Fifty Five Only
12	KSRRB M400-17. Providing, Laying, Spreading and Compacting cushed stone aggregates of granite/ trap/basalt to wet ,ix macadam specifications including pre mixing the materials with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base /base coarse on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specification.	Cum	776.25	2001.28	Rupees Two Thousand One And Paise Twenty Eight Only
13	KSRRB M500-6Providing and applying primer coat with S.S bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. clause 502 of MORTH V revision	Sqm	3450.00	33.92	Rupees Thirty Three And Paise Ninety Two Only
14	KSRRB 500--11 Providing and laying bituminous macadam using 40/60 TPH Capacity H.M.P. with Mechanical paver Gr-II(50mm to75mm) with 3.4% VG-30 Bitumenon prepared surface with crushed coarse aggregates as per desing mix formula for base/ binding coarse including loading of aggregates with F.E> loader, hot Mixing of stone aggregates and bitumen in hot mix plant,transporting the mixed materials in tippers to paver and laying mixed materials with paver finisher to the required and grade complete as per specifications.	Cum	172.50	5962.50	Rupees Five Thousand Nine Hundred Sixty Two And Paise Fifty Only
15	KSRRB 500--10 Providing and applying tack coat using 80/100 grade Sqm bitumen(VGIO) in boiler fitted with spray set distributor at the rate of 0.25 kg per Sqm on the existing prepared bituminous surface cleaned with mechanical broom, complete as per specifications.	Sqm	3450.00	12.72	Rupees Twelve And Paise Seventy Two Only

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	Description	Unit	Approved Quantity	Approved Rate Technical Manager (West) KRIDL, BBMP,	
				Rate	Rate In Words
	Providing and laying bituminous concrete 40mm thick with hot mix plant, using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4% of modified bituminous binder consisting of 4.97% of VG-30 bitumen(60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic) crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site laying with a paver finisher to required grade level and allignment rooling with smooth wheeled vibratory and tandem rollers to achive the desired compaction in all respects complete as per specifications.	Cum	103.50	8699.42	Rupees Eight Thousand Six Hundred Ninety Nine And Paise Forty Two Only
17	KSRRB M800-13. Road marking with hot applied thermoplastic compound with reflectrising glass beads on bituminous surface / concrete surface : providing and laying of hot applied thermo plastic compound 2.5mm thick including reflectorising glass beads at 250gms per sqm area thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35 standards specified complete as per specifications.	Sqm	115.00	454.74	Rupees Four Hundred Fifty Four And Paise Seventy Four Only
18	KSRRB M800-35. Supply and Installtion of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to Specifications of Category A of MORTH Circular No RW/ NH/33023/10-97 – DO III Dt 11.06. 1997. The height, width and length shall not exceed 50 mm, 100 mm and 102 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 mm and height not less than 30 mm) from the body is to be a minimum value of 500 Kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer.	Nos	183.00	357.22	Rupees Three Hundred Fifty Seven And Paise Twenty Two Only
19	Directions and place indentification signs with size morethan 0.9 size board: providing and erecting directions and place identification retro- reflectorised sign as per IRC :67 made of high intensity grade sheeting vide clause 801.3 fixed over aluminium sheeting 2mm thick with area not exceeding 0.9 sqm supported on a mild steel single angel iron post 75X75X6 mm 2 Nos. firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45X45X60 cm, 60 cm below ground	Sqm	1.62	7557.80	Rupees Seven Thousand Five Hundred Fifty Seven And Paise Eighty Only

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Signature of Contractor

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